

AMENDMENTS TO THE CLAIMS

1. (Previously presented) A dye-sensitized photoelectric transfer device comprising:
a semiconductor layer containing titania nanotubes; and
a sensitizing dye retained by the titania nanotubes, wherein the sensitizing dye has no acidic substituents, wherein particles of the sensitizing dye do not associate with each other, and wherein a photoelectric transfer efficiency of the photoelectric transfer device is greater than about 10%.
2. (Cancelled)
3. (Original) The dye-sensitized photoelectric transfer device according to claim 1 wherein the titania nanotubes retain at least two kinds of sensitizing dyes.
4. (Cancelled)
5. (Original) The dye-sensitized photoelectric transfer device according to claim 1 wherein each of the titania nanotubes has a diameter from 5 nm to 80 nm.
6. (Previously presented) The dye-sensitized photoelectric transfer device according to claim 1 wherein the titania nanotubes are in form of an anatase crystal.
7. (Original) The dye-sensitized photoelectric transfer device according to claim 1 wherein the semiconductor layer and an electrolyte layer are provided between a pair of opposed electrodes.
8. (Previously presented) The dye-sensitized photoelectric transfer device according to claim 1 wherein the semiconductor layer and an electrolyte layer are provided between a transparent conductive substrate and a conductive substrate as a counter electrode of the transparent conductive

substrate to generate electric energy between the transparent conductive substrate and the conductive substrate by photoelectric transfer.

9. (Original) The dye-sensitized photoelectric transfer device according to claim 8 wherein the transparent conductive substrate is a transparent substrate having a transparent conductive film.

10. (Original) The dye-sensitized photoelectric transfer device according to claim 8 or 9, which is configured as a dye-sensitized solar cell.

11. (Previously presented) A method of manufacturing a dye-sensitized photoelectric transfer device, comprising:

providing a semiconductor layer containing titania nanotubes; and

retaining a sensitizing dye with the titania nanotubes, wherein the sensitizing dye has no acidic substituents, wherein particles of the sensitizing dye do not associate with each other, and wherein a photoelectric transfer efficiency of the photoelectric transfer device is greater than about 10%.